

NuMI/MINOS Power Outage Response

Reviewed by Paul Allcorn

March 4, 2009

Please notify the External Beams Department, the MINOS control room, and the Operations Specialist in the event of a glitch or power outage. If at any point in this procedure something does not work, call the appropriate personnel for assistance.

1. Contact Personnel as necessary:

****DUE TO TRITITUM ABATEMENT ISSUES, SOMEONE MUST ALWAYS BE CONTACTED IN THE EVENT OF A NUMI GLITCH or POWER OUTAGE!**

- Mike Andrews
- External Beams NuMI Experts - Jim Hylen
- External Beams Department Head - Craig Moore
- External Beams NuMI Experts – Sam Childress
- Deputy Department Head - Peter Lucas
- MINOS Control Room

2. If power is lost at MINOS Service building:

- a. Check that the MINOS generator is on
- b. Be sure to monitor the FIRUS sump alarms. Contact Mike Andrews for additional information

**The MINOS service building is NOT on Kautz Rd substation.*

3. As soon as power is restored and controls return:

- a. **VACUUM:** Recover vacuum. Start pumps up as needed.
- b. **WATER:** Make sure that LCW and RAW systems are up and running.
- c. **RESTORES:** Do a restore any differences for NuMI crates.

4. When the water systems are recovered and stable:

- a. **POWER SUPPLIES:** Turn on the NuMI power supplies.
- b. **THE HORN:** Verify the horn is on and running. Contact Jim Hylen for expert assistance.

5. When all systems are stable:

- a. **VALIDATE ALARMS!!** Make sure all devices are being monitored.
- b. Perform a NuMI 'expert file' compare.
- c. Make sure all systems are on and running normally.
- d. Try beam!
- e. Verify autotune is enabled and responding properly.

NOTES: Use the back of this page to note specific problems encountered during recovery.